

CLAIMS

1. System for operating a plain blind (112), inside a chamber enclosed by panes of glass (5, 135, 150, 230, 240) surrounded by a frame (15, 16) consisting of channel-shaped bars (20, 30, 35, 241, 242) and four corner pieces (40, 50, 60), one end being fixed to a blind-roller (113),  
 5 characterized in that the blind (112) is subjected to a pulling action by devices (95, 138, 153, 260) on the blind-roller (113) and by pulling devices (95, 120, 133, 173) acting on its other end (111).
- 10 2. System as in claim 1,  
 characterized in that, in the oblong body (65) of one corner piece (60) of the frame (15) surrounding the glass-enclosed chamber (5, 135, 150, 230), close to the blind-roller (113), is a kinematic mechanism comprising a pair of coplanar pinions, a first (78) and a second (80),  
 15 meshing with a third intermediate idle pinion (79), said three pinions, aligned inside a cavity between two parallel and opposing walls of said oblong body (65), containing shaped axial holes (81-83) surrounded on both faces by collars (84) freely turning within opposing holes (70, 71) on the two walls of said oblong body (65),  
 20 there being in the holes (81, 83) of the pair of first (78) and second (80) pinions, terminal pins the shape of which corresponds to that of said holes, respectively (105, 139, 165) of the pulling devices (95, 138, 153) acting on the blind-roller (113).
- 25 3. System as in claim 1,  
 characterized in that one pulling device operating on the second end (111) of the blind (112) is a heavy bar (120) joined to said second end (111) of the vertically-hung blind (112).
- 30 4. System as in claims 1 and 2,  
 characterized in that one pulling device operating on the blind-roller (113) is a device (153) containing a helical spring (154) wound around a roller (157), one end (155), of the two ends of said spring (154), being connected to a fixed support (167) and the other (156)

being connected to a terminal pin (165) shaped to correspond with the shape of the hole (81) in the first pinion (78) of the kinematic mechanism in the corner piece (60) of the frame round the glass-enclosed chamber (5, 135, 150, 230), said terminal pin (165) being  
 5 fitted into the hole (81) of said first pinion (78).

5. System as in claim 1,  
 characterized in that one pulling device (173) operating on the second end (111) of the blind (112), presents a shaped bar (217) fixed to a first end of a cord-roller (198) that winds round itself a cord  
 10 (180) hooked to the centre of a bar (120) fixed to the second end (111) of the blind, said cord-roller (198) translating axially to make room for the turns (202) being made by said cord (180), pressed by a threaded bush (225) fixed to the second end of said cord-roller (198) that screws into a threaded bar (224) fixed to the frame (15)  
 15 surrounding the glass-enclosed chamber (150), said cord-roller (198) being operated by a pulling device (95, 138).

6. System as in claims 1, 2 and 5,  
 characterized in that the pulling device operating on the blind-roller (113) and on the cord-roller (198) is a kinematic mechanism (95) that  
 20 comprises a short longitudinal shaft (104) connected at 90°, by a pair consisting of pinion and worm screw (103,100), to the short shaft (99) of a magnetic disk (98) substantially matching with the internal surface of the pane (6) of glass of the enclosed chamber (5, 150), rotation of this magnetic disk being made possible by a second  
 25 magnetic disk (12) on an external operating means, said magnetic disk 12 matching, at the position of the first magnetic disk (98), with the external surface of said internal pane of glass (6) of the glass-enclosed chamber (5, 150).

7. System as in claim 6,  
 30 characterized in that the external operating means comprises a continuous cord workable by hand, applied to a pulley fixed to a gearing-up device.

8. System as in claim 6,  
characterized in that the external operating means is an electric motor.

9. System as in claims 1, 2 and 5,

- 5 characterized in that the pulling device operating on the blind-roller (113) and on the cord-roller (198) is an electric motor supplied with current and controlled through electrical wires leading to the main electricity supply and passing, in a sealed passage, through the frame of the glass-enclosed chamber (5, 135, 150, 230).

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